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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/827,498	04/19/2004	Liangjing Chen	6560US	3464
68163	7590	03/17/2008	EXAMINER	
AMBION			HUTSON, RICHARD G	
2130 WOODWARD STREET			ART UNIT	PAPER NUMBER
AUSTIN, TX 78744-1832			1652	
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		03/17/2008	PAPER	

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

<b>Advisory Action</b> <b>Before the Filing of an Appeal Brief</b>	<b>Application No.</b> 10/827,498 <b>Examiner</b> Richard G. Hutson	<b>Applicant(s)</b> CHEN ET AL. <b>Art Unit</b> 1652
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**—The MAILING DATE of this communication appears on the cover sheet with the correspondence address —**

THE REPLY FILED \_\_\_\_\_ FAILS TO PLACE THIS APPLICATION IN CONDITION FOR ALLOWANCE.

1.  The reply was filed after a final rejection, but prior to or on the same day as filing a Notice of Appeal. To avoid abandonment of this application, applicant must timely file one of the following replies: (1) an amendment, affidavit, or other evidence, which places the application in condition for allowance; (2) a Notice of Appeal (with appeal fee) in compliance with 37 CFR 41.31; or (3) a Request for Continued Examination (RCE) in compliance with 37 CFR 1.114. The reply must be filed within one of the following time periods:

- a)  The period for reply expires \_\_\_\_\_ months from the mailing date of the final rejection.
- b)  The period for reply expires on: (1) the mailing date of this Advisory Action, or (2) the date set forth in the final rejection, whichever is later. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of the final rejection.

Examiner Note: If box 1 is checked, check either box (a) or (b). ONLY CHECK BOX (b) WHEN THE FIRST REPLY WAS FILED WITHIN TWO MONTHS OF THE FINAL REJECTION. See MPEP 706.07(f).

Extensions of time may be obtained under 37 CFR 1.136(a). The date on which the petition under 37 CFR 1.136(a) and the appropriate extension fee have been filed is the date for purposes of determining the period of extension and the corresponding amount of the fee. The appropriate extension fee under 37 CFR 1.17(a) is calculated from: (1) the expiration date of the shortened statutory period for reply originally set in the final Office action; or (2) as set forth in (b) above, if checked. Any reply received by the Office later than three months after the mailing date of the final rejection, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**NOTICE OF APPEAL**

2.  The Notice of Appeal was filed on \_\_\_\_\_. A brief in compliance with 37 CFR 41.37 must be filed within two months of the date of filing the Notice of Appeal (37 CFR 41.37(a)), or any extension thereof (37 CFR 41.37(e)), to avoid dismissal of the appeal. Since a Notice of Appeal has been filed, any reply must be filed within the time period set forth in 37 CFR 41.37(a).

**AMENDMENTS**

3.  The proposed amendment(s) filed after a final rejection, but prior to the date of filing a brief, will not be entered because

- (a)  They raise new issues that would require further consideration and/or search (see NOTE below);
- (b)  They raise the issue of new matter (see NOTE below);
- (c)  They are not deemed to place the application in better form for appeal by materially reducing or simplifying the issues for appeal; and/or
- (d)  They present additional claims without canceling a corresponding number of finally rejected claims.

NOTE: See Continuation Sheet. (See 37 CFR 1.116 and 41.33(a)).

4.  The amendments are not in compliance with 37 CFR 1.121. See attached Notice of Non-Compliant Amendment (PTOL-324).

5.  Applicant's reply has overcome the following rejection(s): \_\_\_\_\_.

6.  Newly proposed or amended claim(s) \_\_\_\_\_ would be allowable if submitted in a separate, timely filed amendment canceling the non-allowable claim(s).

7.  For purposes of appeal, the proposed amendment(s): a)  will not be entered, or b)  will be entered and an explanation of how the new or amended claims would be rejected is provided below or appended.

The status of the claim(s) is (or will be) as follows:

Claim(s) allowed: \_\_\_\_\_

Claim(s) objected to: \_\_\_\_\_

Claim(s) rejected: 1,5-9,11-28,84-98,102-112,115-125 and 127-129.

Claim(s) withdrawn from consideration: \_\_\_\_\_

**AFFIDAVIT OR OTHER EVIDENCE**

8.  The affidavit or other evidence filed after a final action, but before or on the date of filing a Notice of Appeal will not be entered because applicant failed to provide a showing of good and sufficient reasons why the affidavit or other evidence is necessary and was not earlier presented. See 37 CFR 1.116(e).

9.  The affidavit or other evidence filed after the date of filing a Notice of Appeal, but prior to the date of filing a brief, will not be entered because the affidavit or other evidence failed to overcome all rejections under appeal and/or appellant fail to provide a showing a good and sufficient reasons why it is necessary and was not earlier presented. See 37 CFR 41.33(d)(1).

10.  The affidavit or other evidence is entered. An explanation of the status of the claims after entry is below or attached.

**REQUEST FOR RECONSIDERATION/OTHER**

11.  The request for reconsideration has been considered but does NOT place the application in condition for allowance because:  
See Continuation Sheet.

12.  Note the attached *Information Disclosure Statement(s)*. (PTO/SB/08) Paper No(s). \_\_\_\_\_

13.  Other: \_\_\_\_\_

/Richard G Hutson, Ph.D.  
Primary Examiner, Art Unit 1652

Continuation of 3. NOTE: Applicants proposed amendment if entered would introduce new issues that would require further consideration and/or search. Specifically applicants proposed amendment changing the recited mutation from a point mutation in the processivity domain to "a mutation" in the processivity domain would broaden the claimed genus and require further search. Additionally applicants recitation that the referred to mutation is in the nucleotide selection domain corresponding to F155, with reference to wild-type M-MLV, if entered would also introduce new issues that would require further consideration.

Continuation of 11. does NOT place the application in condition for allowance because: The objection of claim1 remains in light of the non-entry of applicants proposed amendment.

The rejection of claims 1, 5-9, 11-28, 84-98, 102-112,115-125 and 127-129 under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention remains in light of the non-entry of applicants proposed amendment.

The rejection of claims 1, 5-9, 11-28, 84-98, 102-112,115-125 and 127-129 under 35 U.S.C. 112, first paragraph, as containing subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention remains in light of the non-entry of applicants proposed amendment and for the reasons previously made of record.

The rejection of claims 1, 5-9, 11-28, 84-98, 102-112,115-125 and 127-129 are under 35 U.S.C. 112, first paragraph, because the specification, while being enabling for the M-MLV reverse transcriptase comprising the amino acid sequence of SEQ ID NO: 2 consisting a mutation at position H638 and F155, does not reasonably provide enablement for any hyperactive M-MLV reverse transcriptase protein comprising a mutation in the processivity domain corresponding to H638 and a mutation in the nucleotide selection domain corresponding to F155 remains in light of the non-entry of applicants proposed amendment and for the reasons previously made of record.

The rejection of claim 129 under 35 U.S.C. 102(b) as being anticipated by Gao et al. (U.S. Patent No. 6,136,582) remains in light of the non-entry of applicants proposed amendment..